

**GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA**

STARRED QUESTION NO:39
ANSWERED ON:20.11.2002
RADIATION EMISSIONS FROM NUCLEAR PLANTS
T.M. SELVAGANAPATHI

Will the Minister of ATOMIC ENERGY be pleased to state:

- (a) whether Indian N-reactors emit more radiation;
- (b) if so, the details thereof;
- (c) whether even stations considered best emit three times more radiation in comparison to international norms;
- (d) if so, the details thereof;
- (e) whether technology designed to upgrade safety at Nuclear Power Plants is too expensive for developing countries like India; and
- (f) if so, the steps taken to make it economically viable?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF SMALL SCALE INDUSTRIES AND MINISTERS OF STATE IN THE MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES AND PENSIONS, MINISTER OF STATE IN THE MINISTRY OF PLANNING AND MINISTERS OF STATE IN THE DEPARTMENTS OF ATOMIC ENERGY AND SPACE (SHRIMATI VASUNDHARA RAJE)

(a) to (f) A statement is laid on the table of the House.

STATEMENT REFERRED TO IN REPLY TO STARRED QUESTION NO. 39 FOR ANSWER ON 20.11.2002 BY T.M. SELVAGANAPATHI REGARDING RADIATION EMISSIONS FROM NUCLEAR PLANTS.

(a) and (b) No, Sir. In India, the limits for the radioactivity releases from the nuclear power stations are stipulated by Atomic Energy Regulatory Board (AERB). These limits are in the line with recommendations by International Commission on Radiological Protection (ICRP). The radioactivity releases from Indian nuclear power stations have been far less than the limits laid down by AERB.

(c) No, Sir.

(d) Does not arise.

(e) No, Sir. All required safety provisions are incorporated right at the design stage and continued in construction, commissioning and operation of the Nuclear Power Plants. Safety status is continuously reviewed during operation for upgradation, where necessary, and is never compromised on cost considerations. Taking into account the required level of safety, nuclear power generation in India is economically viable and nuclear power plants are supplying electricity to State Electricity Boards on commercial basis.

(f) Does not arise.